In the Claims:

1. (original) A computer-implemented method to perform quality control on a construction material mixture, comprising:

accessing a server located on a wide-area-network;

sending information collected from the material mixture to the server;

applying one or more test methodologies to the collected information;

generating one or more reports from the test methodologies; and

sending the one or more reports to a project manager.

2. (original) The computer-implemented method of claim 1, further comprising applying aggregate test methodologies.

3. (original) The computer-implemented method of claim 2, wherein the aggregate test methodologies include one or more of the following: Los Angeles Abrasion; Soundness Test; 24 Hours Water Absorption Sand Equivalent; Unit Weight and Voids in Aggregate; Specific Gravity, Water Absorption and Moisture; and Clay Lumps and Friable Particles in Aggregate.

4. (original) The computer-implemented method of claim 1 further comprising applying soil test methodologies.

5. (currently amended) The computer-implemented method of claim ~~4~~5, wherein the soil test methodologies include one or more of the following: Soil Liquid, Plastic Limit and Plasticity Index; Material in Soil Finer Than #200 Sieve; Moisture and Density of Soil-Aggregate In-Place by Nuclear Method; Moisture Content; Specific Gravity of Soil; Unconfined Compressive Strength of Cohesive Soil; Sieve Analysis; and Compaction Test.

6. (original) The computer-implemented method of claim 1, further comprising applying asphalt test methodologies.

7. (original) The computer-implemented method of claim 6, wherein the asphalt test methodologies include one or more of the following: Extraction; AES300 Emulsion Test; and ARA-1 Rejuvenate Agent.

8. (original) The computer-implemented method of claim 1, further comprising applying asphalt mix test methodologies.

9. (original) The computer-implemented method of claim 8, wherein the asphalt mix test methodologies include one or more of the following: Ignition Test; Actual Specific Gravity; Theoretical Maximum (Rice) Specific Gravity; Tensile Strength Ratio; Marshall Stability; Hveem Stability and Voids Calculation.

10. (original) The computer-implemented method of claim 1, further comprising applying concrete mix test methodologies.

11. (currently amended) The computer-implemented method of claim 10~~1~~, wherein the concrete mix test methodologies include one or more of the following: Unit Weight, Yield, Air Content of Mix; Flexural Strength; Compressive Strength of Cylindrical Concrete Specimens; and Air Content.

12. (currently amended) The system of claim 12, further comprising statistically comparing test results in determining pay factor adjustments and material acceptance.

13. (Currently Amended) A system for performing quality control on a construction material mixture, comprising:

a wide-area-network;

one or more client computers coupled to the wide-area-network, each client computer adapted to collect information relating to the construction material mixture properties; and

a server coupled to the wide-area network, the server applying one or more test methodologies to the collected information; generating one or more reports from the test methodologies; and sending the one or more reports to a project manager.

14. (original) The system of claim 13, further comprising means for applying aggregate test methodologies.

15. The system of claim 14, wherein the aggregate test methodologies include one or more of the following: Los Angeles Abrasion; Soundness Test; 24 Hours Water Absorption Sand Equivalent; Unit Weight and Voids in Aggregate; Specific Gravity, Water Absorption and Moisture; and Clay Lumps and Friable Particles in Aggregate.

16. (original) The system of claim 13 further comprising means for applying soil test methodologies.

17. The system of claim 16, wherein the soil test methodologies include one or more of the following: Soil Liquid, Plastic Limit and Plasticity Index; Material in Soil Finer Than #200 Sieve; Moisture and Density of Soil-Aggregate In-Place by Nuclear Method; Moisture Content; Specific Gravity of Soil; Unconfined Compressive Strength of Cohesive Soil; Sieve Analysis; and Compaction Test.